Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Wednesday 08 Dec 2021 until 23:59 on Thursday 09 Dec 2021

Forecast Issued on Wednesday 08 Dec 2021 at 02:38

Confidence: High confidence for showers Wednesday and brighter conditions Thursday. High confidence for milder air to return on Saturday. Lower confidence in shower amounts and frequency.

Headline for Wednesday 08 Dec 2021: Wintry showers continuing but some brighter weather likely later in the afternoon, very poor visibility at times.

Mountain weather hazards on Wednesday 08 Dec 2021

Blizzards
Low Likelihood

Heavy Snow
No Likelihood

Storm force winds
No Likelihood

Gales
Medium Likelihood

Severe chill effect
Medium Likelihood

Poor visibility
Medium Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
Low Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Heavy snow	Sleet	Sleet	Sleet	Sleet	Sleet
Precipitation probability					
70%	40%	40%	40%	40%	40%

Forecast for Wednesday 08 Dec 2021

Weather: Showers continuing this morning, frequent snow or sleet showers first thing but will turn to sleet or rain below 600m through the morning. Winds will be strong with a period of gale force winds at elevation during the early afternoon, but these will ease late. A significant chill effect at height. A few brighter spells will develop during the afternoon but showers continuing.

Chance of cloud free mountain/hill tops above 600m: 20% rising to 40% for a time in the afternoon. Lower cloud associated with showers, will shroud the tops at times.

Visibility: In wintry showers visibility will fall to less than 1km at times with near whiteout conditions, cloud bases will also fall to around 4-500m accompanying the showers. Outside showers, cloud bases will be more scattered at 600m and visibility will be moderate or good under the cloud.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Wednesday 08 Dec 2021

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	32/42 SW	29/41 SW	29/41 W	28/40 W	24/34 W	20/29 W	18/27 W
300	26/37 SW	22/33 SW	24/37 W	23/36 SW	19/30 W	15/24 W	14/23 W
Valley	16/34 SW	16/33 SW	17/34 W	16/33 W	13/27 W	10/22 W	10/21 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-0/-9	0/-7	1/-6	1/-6	1/-5	1/-5	1/-4
300	1/-6	3/-3	3/-3	3/-3	4/-2	4/-1	4/-1
Valley	1/-4	3/-2	4/-1	4/-1	4/-0	4/0	4/1
Freezing Level*	400m	700m	800m	700m	800m	800m	800m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Southwesterly winds gusting to gale force over peaks through the early afternoon, feeling bitterly cold on the peaks. Multiple layers necessary.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Wed 08 Dec 2021	3mm	9.2mm	14mm

Forecast for Thursday 09 Dec 2021

Weather: A more settled day than of recent with some bright spells possible and mainly light winds. A few showers are likely especially during the afternoon. Clouding over later in the afternoon as a band of sleet and rain spread east during the evening, wintry above 600m so mostly falling as rain or sleet.

Maximum wind: Northwesterly 15-20mph becoming southwesterly 10mph later.

Chance of cloud free mountain/hill tops above 600m: 80% falling to 60% later in the day. Mainly clear tops in the morning but scattered cloud forming around showers and also as the front approaches in the evening.

Visibility: Mainly good but dipping in any showers. Patches of cloud around 600m in the morning and afternoon around showers, cloud bases falling to 500m in the evening.

Temperature: **Valleys:** Plus 2 rising to Plus 6 Celsius.
At 600m: Plus 3 Celsius
Freezing level: Around 700m

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